



SEQUENCE LISTING

<110> Tchaga, Grigory S.
Jokhadze, George

<120> Metal Ion Affinity Tags and Methods for
Using the Same

<130> CLON-056CIP

<140> US 09/858,332

<141> 2001-05-15

<150> 09/404,017

<151> 1999-09-23

<150> 60/101,867

<151> 1998-09-25

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 <212> DNA
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 ttgcggcatt ttgccttcct gtttttgctc acccagaaac gctggtgaaa gtaaaagatg 300
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<213> Artificial Sequence

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<223> protein sequence of vector containing cDNA of
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Gly Ser Asp Ser Arg Glu Gly Ala Trp Pro Trp Val Val Ala Leu Tyr
35           40           45
Phe Asp Asp Gln Gln Val Cys Gly Ala Ser Leu Val Ser Arg Asp Trp
50           55           60
Leu Val Ser Ala Ala His Cys Val Tyr Gly Arg Asn Met Glu Pro Ser
65           70           75           80
Lys Trp Lys Ala Val Leu Gly Leu His Met Ala Ser Asn Leu Thr Ser
85           90           95
Pro Gln Ile Glu Thr Arg Leu Ile Asp Gln Ile Val Ile Asn Pro His
100          105          110
Tyr Asn Lys Arg Arg Lys Asn Asn Asp Ile Ala Met Met His Leu Glu
115          120          125
Met Lys Val Asn Tyr Thr Asp Tyr Ile Gln Pro Ile Cys Leu Pro Glu
130          135          140
Glu Asn Gln Val Phe Pro Pro Gly Arg Ile Cys Ser Ile Ala Gly Trp
145          150          155          160
Gly Ala Leu Ile Tyr Gln Gly Ser Thr Ala Asp Val Leu Gln Glu Ala
165          170          175
Asp Val Pro Leu Leu Ser Asn Glu Lys Cys Gln Gln Gln Met Pro Glu
180          185          190
Tyr Asn Ile Thr Glu Asn Met Val Cys Ala Gly Tyr Glu Ala Gly Gly
195          200          205
Val Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Met Cys Gln Glu
210          215          220
Asn Asn Arg Trp Leu Leu Ala Gly Val Thr Ser Phe Gly Tyr Gln Cys
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<223> Xaa at position 9 is an amino acid with an
aliphatic or amide side chain.

<221> VARIANT
<222> 2
<223> Xaa at position 2 is an amino acid with an
aliphatic or amide side chain

<221> VARIANT
<222> 3
<223> Xaa at position 3 is an amino acid with an
aliphatic or amide side chain.

<221> VARIANT
<222> 5
<223> Xaa at position 5 is an amino acid with a basic
side chain (except HIS) or an acidic side chain.

<221> VARIANT
<222> 6
<223> Xaa at position 6 is an amino acid with a basic
side chain (except HIS) or an acidic side chain.

<221> VARIANT
<222> 7
<223> Xaa at position 7 is an amino acid with a basic
side chain (except HIS) or an acidic side chain.

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<210> 22

<211> 6
<212> PRT
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<220>

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